



DELTA



Amplon RT UPS



Delta Amplon RT series are high performance Uninterruptible Power Supplies (UPS) that provide consistent sine-wave power to critical equipment even when mains power fails. The UPS offers best in class efficiency and reliability, and is ideal for Industrial, Medical, Servers, Data center and Telecommunications applications. Salient features include:

- True online double-conversion topology and zero transfer time to battery ensure high reliability.
- Wide input range allows the UPS to operate in harsh electrical environments and extends battery life.
- Hot swappable batteries ensure continuous operation even when batteries are being replaced.
- Optional VRLA and Li-ion (RT 5-20kVA only) external battery cabinet (EBC) for easy scaling of longer backup time.
- Up to four units' parallel capacity for RT 5-10kVA allows redundancy and load expansion
- Power Distribution Box and Maintenance Bypass Breaker are a default on RT 5-10kVA standard runtime models.
- Convertible rack and tower configuration in 2U size cabinet.
- Remote emergency power off (REPO) port to shut down UPS completely or switch off inverter only (Remote turn on/off - ROO function).
- Smart/Mini slots for fitting optional Modbus and SNMP communication cards for integration to external monitoring and control systems.

TECHNICAL SPECIFICATIONS

MODEL		RT-1K	RT-3K	RT-5K	RT-10K	RT-15K3P	RT-20K3P
Power Rating		1kVA/0.9kW	3kVA/2.7kW	5kVA/5kW	10kVA/10kW	15kVA/15kW	20kVA/20kW
Input	Voltage	175 ~ 280Vac (single phase)		100 ~ 280Vac (single phase)		138 ~ 485Vac (three phase)	
	Frequency	40 ~ 70Hz					
	Power Factor	>0.99 (full load)					
	Current THD	<5%		<3%			
Output	Voltage	220/230/240Vac				380/400/415Vac (three phase) or 220/230/240Vac (single phase)	
	Frequency	50/60Hz ±0.05Hz					
	Power Factor	0.9		Unity			
	Voltage THD	<2% (linear load)					
	Overload Capability	<105: continuous; 105 ~ 125%: 1min; 125 ~ 150%: 15 sec		≤105: continuous; 106 ~ 125%: 1min; > 150%: 500ms		≤105: continuous; 106 ~ 125%: 2min; 126 ~ 150%: 30sec; > 150%: 200ms	
Efficiency	AC-AC	90%	Up to 94%	Up to 95.5%		Up to 96.5%	
	ECO mode	96%	Up to 97%	Up to 99%			
Battery	Voltage	24Vdc	72Vdc	192Vdc	240Vdc	192 ~ 264Vdc	
	Backup time*	6.5min	7 min	7.5min	6min	Depending on different configurations.	
	Charge Current	1.5A	2A	1A(default)	1.5A(default)	Up to 8A	
Audible Noise		<40dB	<46dB	<48dB	<50dB	<54dB	
Communication Interfaces		SMART Slot x 1, RS-232 Port x 1, USB Port x 1, REPO x 1		MINI Slot x 1, Parallel Port** x 2, USB Port x 1, RS232 Port*** x 1, RS485 Port x 1, REPO/ROO Port x 1, Dry Contact x 4			
Dimensions WxDxH (mm)		440x335x89	440x610x89	440x665x176	440x750x218	440x730x88.2	
Weight (kg)		12	28	54	85.5	22.5	
Operating Temperature****		0 ~ 50°C		0 ~ 55°C			
Relative Humidity		5 ~ 95% (non-condensing)					